

# Converting Colors

XYZ(53.9557, 25.8242, 92.5047)

Have a look what the booklet for  
XYZ(53.9557, 25.8242, 92.5047)  
contains.

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# Color

**XYZ(53.8733, 25.7794,  
92.5790)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F200FA
RGB	242, 0, 250
RGB Percent	95%, 0%, 98%
CMY	0.0510, 0.9998, 0.0196
CMYK	0.03, 1.00, 0.00, 0.02
HSL	298°, 100%, 49%
HSV	298°, 100%, 98%
XYZ	53.8733, 25.7794, 92.5790
YIQ	100.8580, 63.9820, 129.0540

# Conversions

## Conversions Part 2

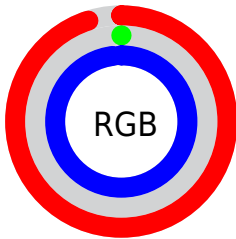
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 0, 250
Decimal	15859962
CIE <sub>Lab</sub>	57.83, 95.57, -62.19
CIE <sub>LCh</sub>	58, 114.021, 326.949
Yxy	25.7794, 0.3128, 0.1497
Android (android.graphics.Color)	4294050042 (0xFFFF200FA)
YUV	100.8580, 73.5270, 123.7815
Hunter-Lab	50.7734, 100.5445, -72.5665

# Details

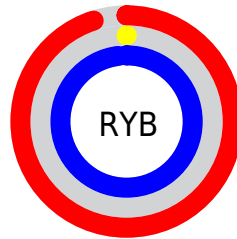
The XYZ color **53.8733, 25.7794, 92.5790** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **34.2866, 68.4235, 11.4011**, and the grayscale version is **12.1445, 12.7770, 13.9141**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **28.5705, 13.6295, 50.9941** is the 20% darker color. If you saturate the color by 10%, you get **53.8735, 25.7795, 92.5794**, and if you desaturate by 10%, it is **54.4976, 26.6185, 92.7084**.

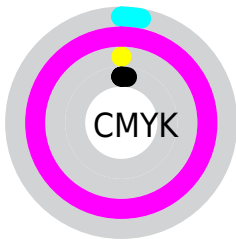
# Distribution



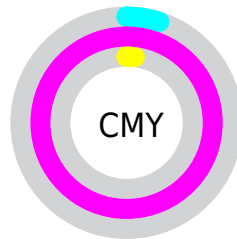
- Red (95%)
- Green (0%)
- Blue (98%)



- Red (95%)
- Yellow (0%)
- Blue (98%)



- Cyan (3%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)




- Cyan (5%)
- Magenta (100%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.8733, 25.7794, 92.5790 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 53.8733, 25.7794, 92.5790 by changing the saturation by 10% instead.




 53.8733, 25.7794,  
92.5790


 53.8733, 25.7794,  
92.5790


391.8329,  
281.6975, 557.1701


 38.7306, 16.6587,  
69.5359

 95.0462, 52.9188,  
152.8823


 26.7300, 9.9914,  
50.6738


 121.8071, 71.7064,  
190.9795


 17.5061, 5.3933,  
35.5742


 153.1715, 94.4849,  
234.9320

 10.6935, 2.4798,  
23.8184

 189.5047,  
121.6390, 285.1581

 5.9269, 0.8665,  
14.9880

 231.1721,  
153.5528, 342.0764

 2.8409, 0.0000,  
8.6644

278.5390,

 1.0702, 0.0000,

190.6110, 406.1055

4.4292

331.9709,  
233.1977, 477.6639

■ 0.0000, 0.0000,  
1.8636

■ 0.0000, 0.0000,  
0.4694

■ 53.8733, 25.7794,  
92.5790

■ 53.8733, 25.7794,  
92.5790

■ 53.8735, 25.7795,  
92.5794

■ 54.4976, 26.6185,  
92.7084

■ 55.5679, 28.3487,  
92.9860

■ 57.2219, 31.2447,  
93.4578

■ 59.5430, 35.4728,  
94.1516

62.6006, 41.1725,  
95.0905

66.4559, 48.4656,  
96.2950

71.1634, 57.4612,  
97.7833

76.7728, 68.2590,  
99.5718

83.3302, 80.9508,  
101.6760

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.4825, 25.7794, 163.2919



53.8733, 25.7794, 92.5790



61.3368, 25.7794, 32.2781

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



53.8733, 25.7794, 92.5790



25.9311, 25.7794, 0.0000



7.7248, 25.7794, 78.0116

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



53.8733, 25.7794, 92.5790



34.2866, 68.4235, 11.4011

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



6.4896, 25.7794, 24.2434



53.8733, 25.7794, 92.5790



14.3993, 25.7794, 0.0000

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



53.8733, 25.7794, 92.5790



41.8569, 25.7794, 0.2888



8.3924, 25.7794, 3.7555



12.7622, 25.7794, 150.6483



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.8733, 25.7794, 92.5790



59.3189, 25.7794, 11.3218



8.3924, 25.7794, 3.7555



6.9568, 25.7794, 56.3022

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



53.8744, 25.7806, 92.5795



74.4152, 60.0588, 102.2781



17.3467, 7.0841, 90.8960



15.4594, 11.9578, 21.7432



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.8744, 25.7806, 92.5795



56.3514, 26.9651, 96.8425



43.6829, 22.0281, 24.2675



17.9349, 17.4946, 21.8168



28.6008, 13.6869, 49.1080



2.6657, 1.2763, 4.5490



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



39.4690, 20.3425, 2.0771



41.2847, 21.2779, 2.1654



37.3788, 69.6488, 28.2070



17.2671, 17.2342, 17.9964



20.9450, 10.7937, 1.1529



1.9475, 1.0028, 0.1471



# Previews

## White Background



This preview shows how the XYZ color 53.8733, 25.7794, 92.5790 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

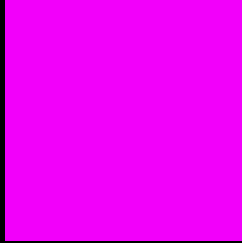
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.8733, 25.7794, 92.5790 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.8733, 25.7794, 92.5790**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.8733, 25.7794, 92.5790.



This preview shows how white text looks on a background with the XYZ color 53.8733, 25.7794,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

53.8733, 25.7794, 92.5790

### Protanopia

29.9960, 26.4480, 98.1318

### Deuteranopia

27.3443, 26.5038, 82.2718



## Tritanopia

38.2815, 25.9240, 16.3508

# Trichromacy



## Original Color

53.8733, 25.7794, 92.5790



## Protanomaly

31.6190, 19.3115, 94.9895



## Deuteranomaly

29.3760, 18.7545, 84.5098



## Tritanomaly

41.1729, 23.0697, 34.6306

# Monochromacy



## Original Color

53.8733, 25.7794, 92.5790



## Achromatopsia

12.3695, 13.0136, 14.1719



## Achromatomaly

20.6987, 12.7087, 32.3724

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.8733, 25.7794, 92.5790 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(242, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 250)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(242, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 53.8733, 25.7794, 92.5790 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(242, 0, 250) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(242, 0, 250) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(242, 0, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.8733, 25.7794, 92.5790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 250) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(242, 0,  
250) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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